

CCTTTCCATAGAGAACAAAGAACTAAAGAAATTCTGTGACAATGGACAATATAATTGCCAGTGTCTCCTCCT
 CATGGTAATCTCATGCCTCTACAATCTACATCCAGTACACTCTCAGGTCAACATCAGAGTAAGGATATGGAGCCTA
 GGATCCCTCTTAAACAACGGAGACGTAATAACCCCTTTATTAGCATAGAATTAAAGATTCCATAGGGATAT
 TTAACAGAAAACCACATTACTTATTACCCCTAGAATAGGTACTTTAAATAGAAGGGTATGTGGATCTGAGGT
 AGGCAGGACAAGAATGGAGACACATCTGAAAAATAGTTATTGTTGAAATTTAGGTACTGACAAGATGGAAGTC
 AACATTCAATGCCTCTGAATGGATCAGAAGTTGTGTTATGATTCTACCACCTCAAGTGTCTATGGATCCTCT
 CATTAGTGGTTCTTATAACCTTGCTCGGTGTTAGGTAAATGGCTTGATTTGGGTGGCTGGTTCCA
 GATGGCACACACTGTGACCAGTCTCTTATCTGAACCTGGCTTGAGTGAATTATCTTCAATGGTTACTCTACCA
 CTTCACATCATCTCAATGGTCATGAGAGGAAATGGCTTTGGTTGGTTCTTGCAAATTAGTTCACATAATTG
 CAAACATAAACCTTTGTAAGTATCTCTTAATCACTCTTATTGCCATGGATCGCTGTATTGTGTCCTGTGCC
 AGTATGGTCTCAGAACCTGGGACTGTGAGTCTGCCAGAAAAGTGGTCTGGAGCTGGATATTGCTCTGCTG
 CTTACCTGCCACATTCTCTTGTGACTACAGTGAGAGATGCAAGAGGGGATGTGTACTGTATATCTAAATTG
 AATCCTGGGTTGCAACCTCTGAAGAGCAGTTAAAGATGTCTGTTATTGCTGCCACAGCTTCAGGAATCATCA
 ATTATTGGATTCACTGCCATGTCTTACATTGCTATCTGCTATGGACTCATGGCTGCCAAGATCTGAGAAGA
 GGCTTGTGAATTCCAGTCGCTTACGTGCTCACTGCTGTAGCGATTCCCTTGTCTGTTGGCTCC
 TTCAATTAAATTATGCTTTAGGCAACATCTTAACAATGAGACACTGAGCATTATTCAATATGTTGGTAACCCAGC
 AAATACCTGGCTCCTTAACAGCTGCCCAACCCAAACTCTATGTATTCCCTGGGTCAAGAACAGAGACAGA
 CTAATCTATTCTCTGTATGCCAGTCTAGAGAGGGCCCTGAGGGAAAGACTAGTCCTGATGGAAAATTCA
 GACTGACACAGACAGCAACTGTCTTCACTGAACCTGAGACTCTGAGCTATAGGAAATGGCAGGAGTAAGG
 CCAATGGATTCCCCCTACCCTAGTCTTAATTCTGTCTTATCCATGAAATTCTGAGTATAACTATA
 GAATCTCTGATTGGAAGACAGAGT (SEQ ID NO:1)

MEVNISMPLNGSEVVFYDSTTSSVLWILSLVVLFITFVLGVIGNGLVIWAGFQMAHTVTTSYLNLA
 LSDLDFMV
 TLPLHIISMVMRGKWLFGWFLCKLVHIIANINLFVSIFLITLIAMDRCICVLCPVWSQNHR
 TVSLARKVVLGA
 WIF
 ALLLTLPHFLFLTTVRDARGDVYCISKFESWVATSEEQLKMSVIAATASGIINFIIGFS
 MPMSFIAICYGLMA
 KI
 CRRGFVNSSRPLRVLAVAISFFVCWF
 PQLIMLLGNIFNNETLSIIHMLVNP
 ANTLASFNSCLNPI
 LYVFLGQEF
 DRDLIYSLYASLERALRED (SEQ ID NO:2)

FIGURE 1

underlined = deleted in targeting construct

bold = sequence flanking Neo insert in targeting construct

CCTTTCCATAGAGAACAAAGAACTAAGAAATTCTGTGACAAATGGACAATATAATTGGC
 CCAGT~~GTTCTCCTCCTCATGG~~TAATCATGCCTCTACAAACTACATCCAGTACACTCTC
 AGGTCAACATCAGAGTAAGGATATGGAGCCTAGGATCCCTCTTAAACAAACTGGAGACGT
 AATAACCCTCTTATTAAATGCATAGAATTAAAGATTCCATAGGGATATTAAACAGAAAAC
 CACATTTACTCTATTACCCCTAGAATAGGTACTTTAAATAGAAGGTGATGTGGGATCTG
 AGGTAGGCGGGACAAGAATGGAGACACATCTGAAAAAAATAGTTATTGTGAAAATTTAG
GTACTGACAAGATGGAAGTCAACATTCAATGCCTCTGAATGGATCAGAAGTTGTGTTTT
ATGATTCTACACCTCAAGT~~GTTCTATGGATCCTCATTAGTGGTTCT~~TTATAACCT
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ACACTGTGACACTGTCTCTTATCTGACTTGGCTTGAGTGATTTATCTTCTGGTTA
CTCTACCACTTCACATCATCTCAATGGTCATGAGAGGAAATGGCTTTGGGTTTC
 TTTGCAAATTAGTTCACATATTGCAACATAACCTTTGTTAAGTATCTCCTAATCA
CTCTTATTGCCATGGATCGCTGTATTGTGTCTGTGCCAGTATGGTCTCAGAATCACC
GAACGTGAGGTCTGGCCAGAAAGTGGTTCTGGAGCTTGGATATTGGCTCTGCTGCTTA
CCTTGCCACATTCTCTTCTGACTACAGTGAGAGATGCAAGAGGGATGTGTACTGTA
TATCTAAATTGAATCCTGGGTTGCAACCTCTGAAGAGCAGTTAAAGATGTCTGTTATTG
CTGCCACAGCTTCAGGAATCATCAATTTCATTATTGGATTCAGCATGCCATGTCTTCA
TTGCTATCTGCTATGGACTCATGGCTGCCAAGATCTGCAGAAGAGGCTTGTGAATTCCA
GTCGTCCTTACGTGTCCTCACTGCTGTAGCGATTCTCTTGTCTGTTGGTCCCTT
TTCAATTAAATTATGCTTTAGGCAACATCTTAACATGAGACACTGAGCATTATTCATA
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AGAGGGCCCTGAGGGAAGACTAGTCCTGATGGAAATTCAGTCCTGAGCACTGACACAG
ACAGCAACTTGCTTCATGAACTGCAGACTCTGAGCTATAGGAAATGGCAGGAGTAAGGC
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AATTCTGAGTATAACTATAGAATCTCTGATTTGGAAAGACAGAAGT

FIGURE 2A

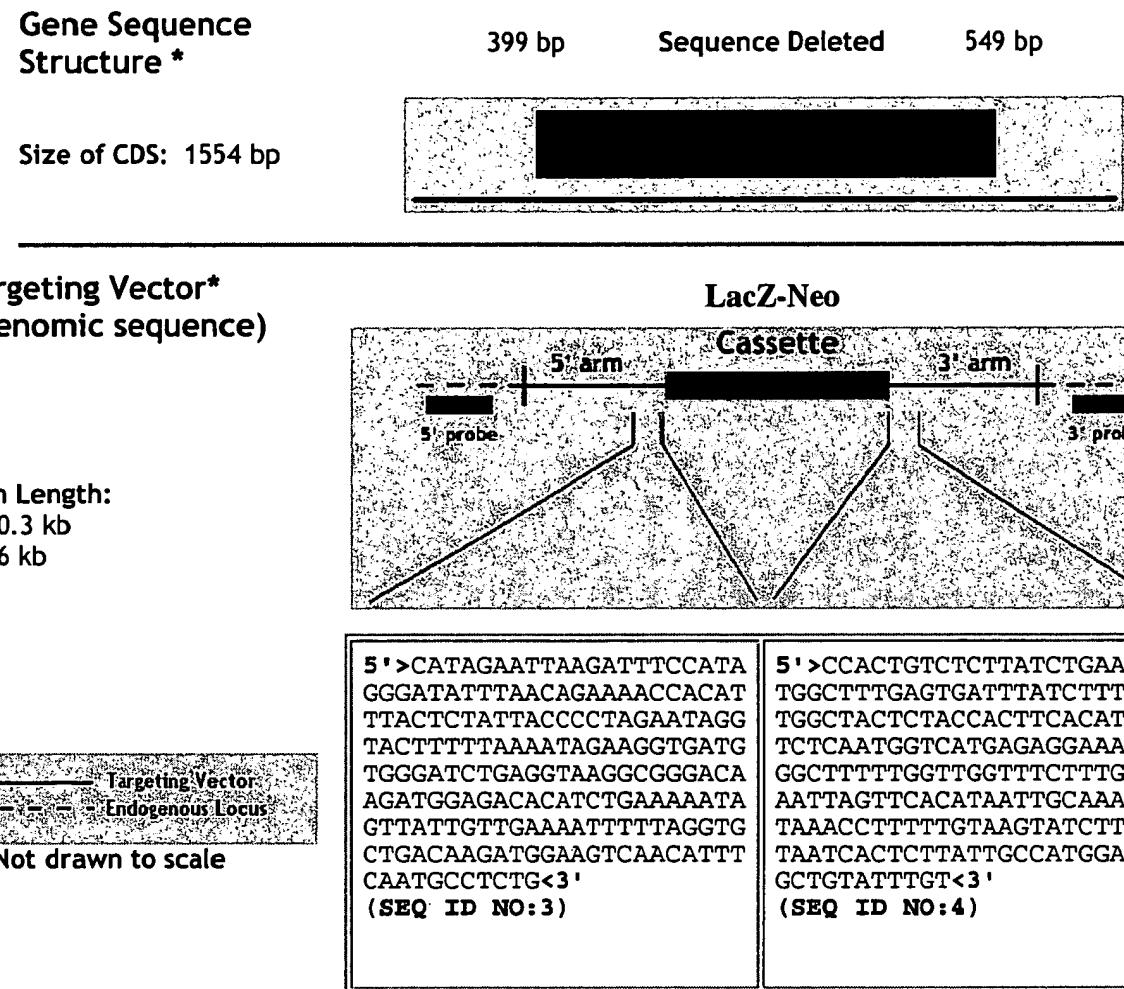


FIGURE 2B

Open Field Summary Data - Percent in Central

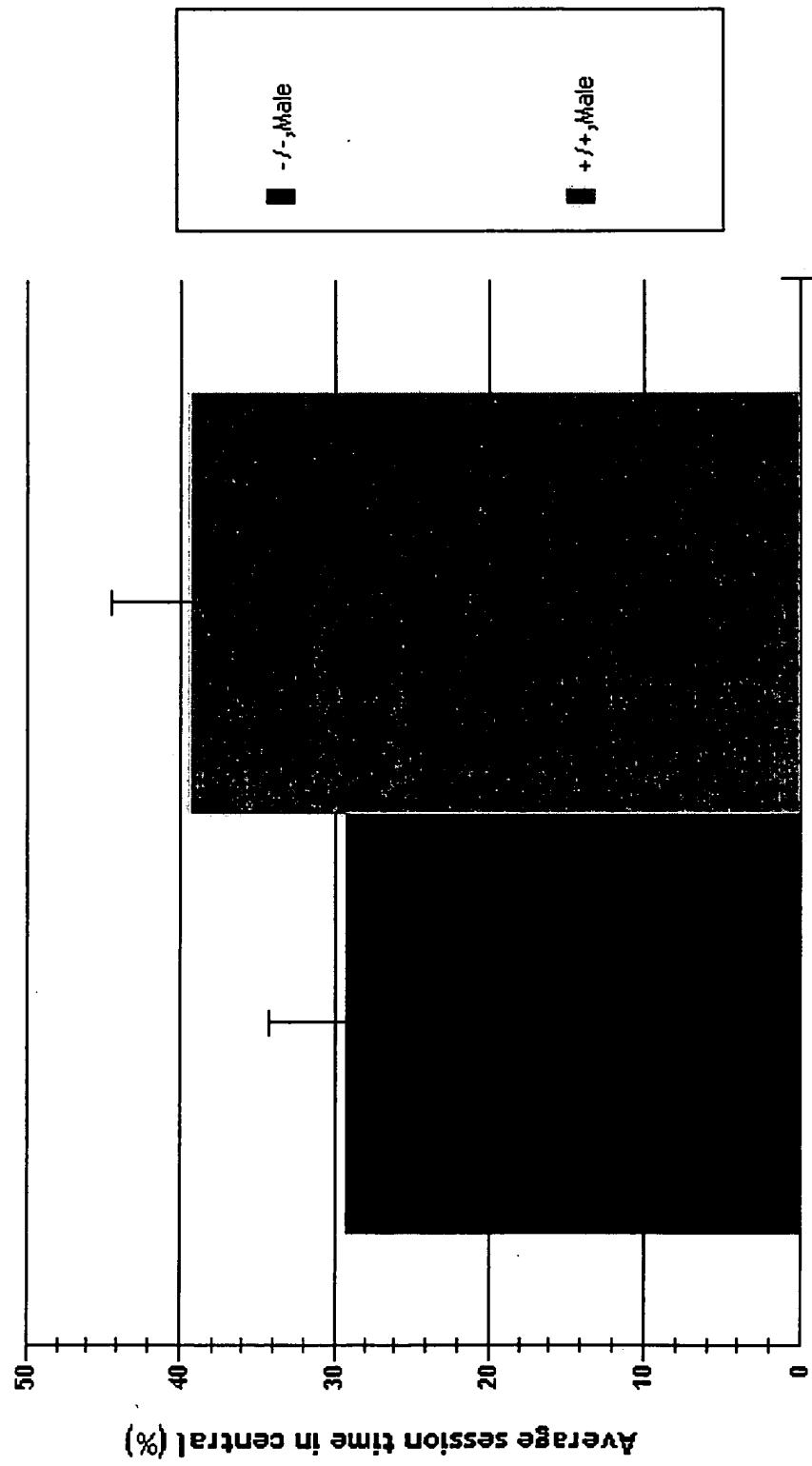


FIGURE 3

Rotarod

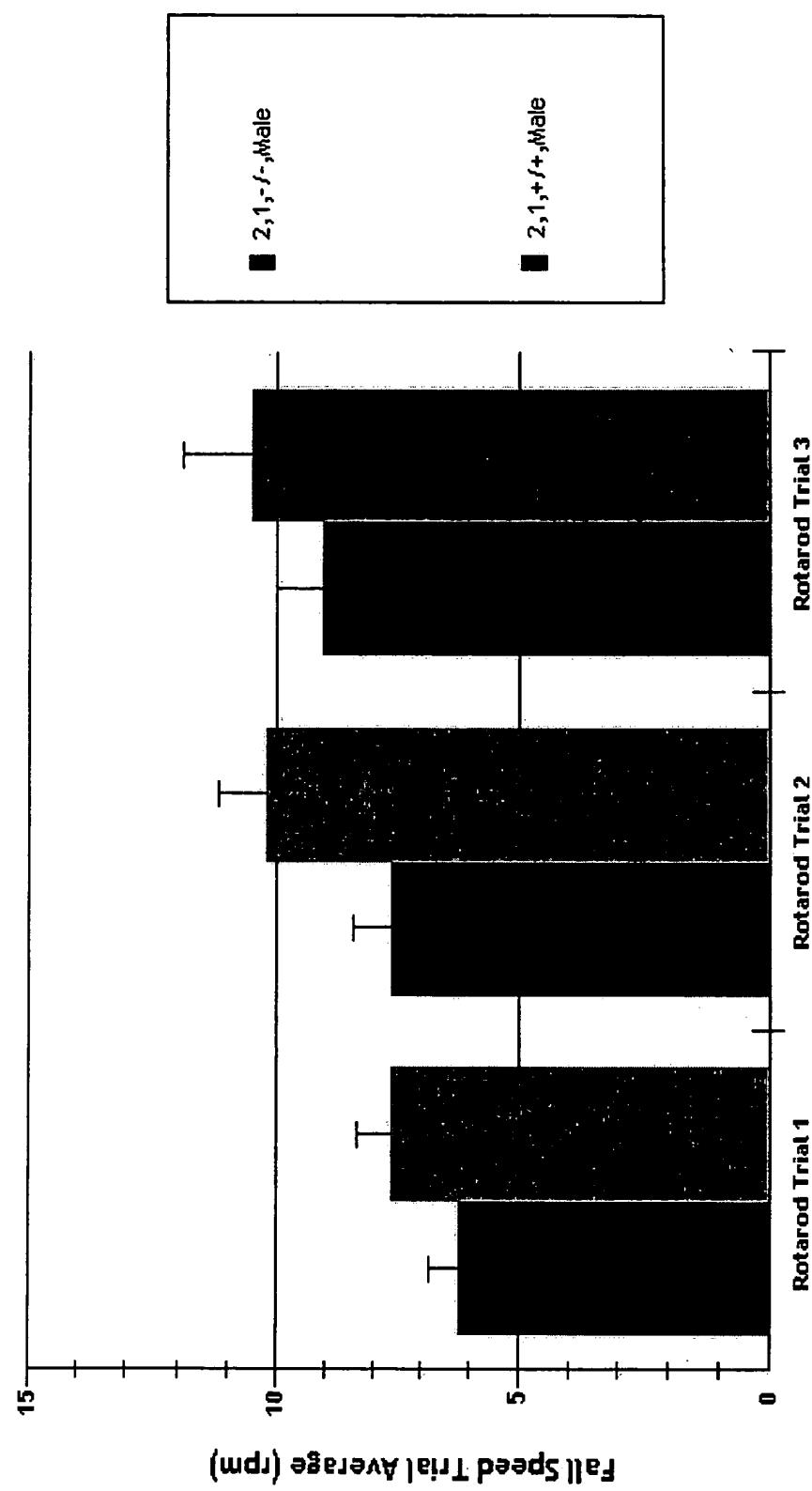


FIGURE 4

6/6
Metrazol

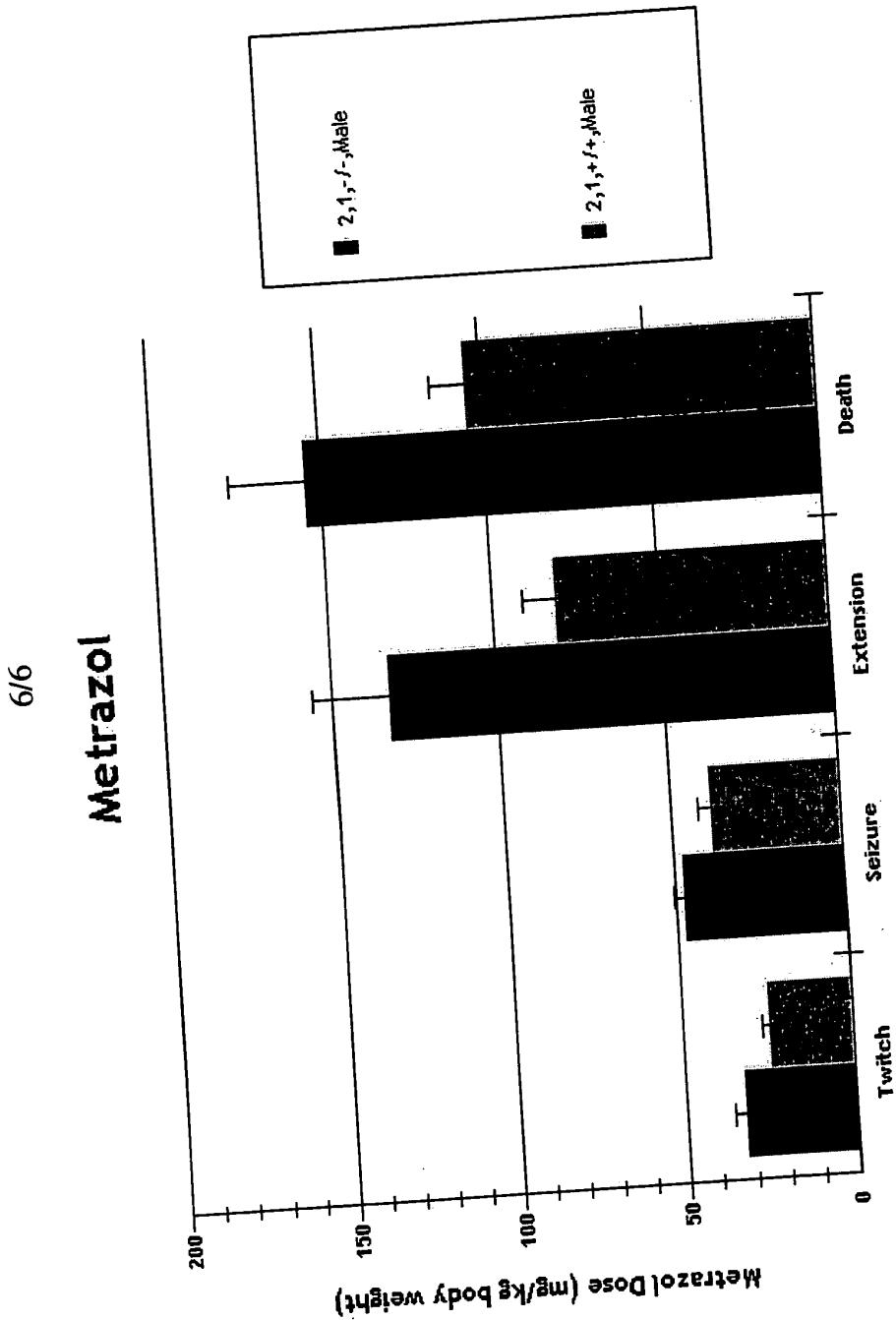


FIGURE 5